EnGenius

Business class high power wireless.

ECB3500-CC

Cloudtrax enabled

Centralized, browser-based management with 24x7 monitoring, charting and network alerts.

Zero configuration setup for wireless repeating and wireless bridging.

Instant Wireless Hotspot gateways with vouchers controlled access for hotel, cafes, etc.

Built-In resilient Mesh protocol to ensure a redundant wireless network with auto load-balancing and minimized points of network failures.

The ECB3500-CC is a wireless Access Point that operates seamlessly in the 2.4GHz frequency spectrum supporting the 802.11bg (2.4GHz, 54Mbps) standard. It's the best way to add wireless capability to existing wired network or to add bandwidth to your wireless installation. It comes with a bundled Cloudtrax subscription which drastically reduce deployment time, whether it is a single wireless hotspot, business enterprises or even municipal by as much as 80% with zero-configuration for subsequent addition of wireless repeaters and wireless bridges!

ECB3500-CC features high wireless output power and receive sensitivity along with antenna diversity and possibiltiy to connect to external antennas via the 2 TNC connectors. The High performance extend wireless coverage to reduce the roaming between Access Points and to provide a reliable wireless connection. It also reduces the total cost of ownership on hardware.

The attractive design, high performance and array of features make ECB3500-CC a suitable wireless solution for the service industry, institutions, residence or office.

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Specifications

Up to 28dBm Wireless Power
Ensures robust signal to overcome long distances
Offers superior WiFi coverage than leading brands

Multiple Wireless Names
Broadcasts multiple WiFi networks with one device
Permits different levels of network access (VLAN Tagging)

Power-over-Ethernet (802.3af Compliant)
Power and data over one cable to ease deployment

Zero-Config & Concurrent Repeater/Bridging/AP
working in Cloudtrax Environment
Extends WiFi coverage into dead spots
Minimizes trenching and cabling cost

Detachable antenna / antenna diversity support
Delivers powerful 5dBi omni-directional coverage
Designed to be deploy-able out of the box or attach external antennas to the TNC connectors when required.

Instant Wireless Hotspot
Vouchers control
Bandwidth control per group
Easy to build Captive portal
Can define own Radius server

HARDWARE SPECIFICATIONS:

MCU: Atheros AR2316, 180MHz
Memory: 32MB SDRAM
Flash: 8MB
Physical Interface:
LAN One 10/100 Fast Ethernet RJ-45
Reset Button
Power Jack
LEDs Status:
Power (Status)
LAN (10/100Mbps)
Detachable antenna / antenna diversity support
TNC antenna connectors
WLAN (Normal when not lighted up during operation)
Power Requirements:
Power Supply: 90 to 240VDC ± 10%, 50/60Hz (Depends on different countries)
Active Ethernet: (Power-over-Ethernet, IEEE 802.3af) 48VDC/0.375A
Device: 12V/1A
Regulation Certifications: FCC Part 15, ETSI 300/328/CE

RF SPECIFICATIONS:

Frequency Band: 2.400~2.484GHz
Media Access Protocol: Carrier Sense Multiple Access with Collision Avoidance (CSMA/CA)
Modulation Technology :OFDM: BPSK, QPSK, 16-QAM, 64-QAM, DBPSK, DQPSK, CCK
Operating Channels: 11
Receive Sensitivity (Typical):
IEEE 802.11g
6Mbps @ -92dBm
54Mbps @ -74dBm
IEEE 802.11b
1Mbps @ -97dBm
11Mbps @ -89dBm
Available Transmit Power:
IEEE 802.11g
26dBm @ 6~24Mbps
25dBm @ 36Mbps
23dBm @ 48Mbps
22dBm @ 54Mbps
IEEE 802.11b
27dBm @ 1~11Mbps

MANAGEMENT:

Configuration: Web-Based Configuration via Cloud controller (Internet [ICMP, port 80, 443 and 53] to connected devices required at all time)
Firmware Upgrade: Over-The-Air Upgrade Firmware.
Administrator Setting: Administrator Password Change
System Monitoring: 3 Levels, Master Account to all Networks / Specific Network Account / Public (viewing only and can be disabled)

ENVIRONMENT & PHYSICAL:

Temperature Range: Operation 0°C to 45°C (32°F to 113°F) / Storage -20°C to 70°C (-4°F to 158°F)
Humidity (Non-condensing): 5%~95% Typical
Dimensions: Diameter: 4.73" (120mm) x Height: 1.97" (50mm)
Weight: 0.62lb. (280g)

Dealer Information:

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Specifications may be subject to change without prior notification.

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